

Amendments to the Specification:

Please replace the paragraph beginning at page 7, line 3 with the following amended paragraph:

The membrane 48 can also be fabricated from a sintered metal disc, coated or uncoated with polymer, to achieve a similar vaporization performance. The substrate 48b 48a is comprised of one of a variety of polymer systems, including polyethylene, polypropylene, nylon, polyurethane, or other analogous polymers or composites of one or more of these polymers. The substrate 48b 48a can also be fabricated from a sintered metal form, coated or uncoated with polymer, to achieve a similar performance.

Please replace the paragraph beginning at page 7, line 9 with the following amended paragraph:

In some embodiments the material of substrate 48b 48a can have further qualities of a "sponge-like" material. An opposite surface of the substrate sponge material 46b is coated with a methanol-impermeable layer 48c, which can be fabricated from materials such as a cross-linked rubber, a polymer/inorganic composite, a surface treated material such as surface fluorinated high density polyethylene, or other methanol-impermeable material.

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Change(s) applied Please replace the paragraph beginning at page 10, line 22 with the following amended to document, paragraph:

/U.F./
3/24/2011 Referring to FIG. 4A, an example of a fuel valve 70 having an integrated vaporization-heating unit is shown. The fuel valve 70 is illustrated as the egress 32 for the embodiment of the cartridge 12 shown in FIG. 4 including membrane arrangement 46. The egress 32 is depicted as a ~~valve~~ 33 having an integrated heating element 73. The fuel valve 33 is supported on the cartridge wall 65 and includes the heating element 73 arranged in any one of a variety of configurations such as disposed in the center of the valve as shown, or disposed about the sidewalls of the valve (not shown) or integrated into the sidewalls (not shown). The heating element is disposed to increase the rate of vaporization across the membrane 46. The valve can